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AKTIVITAS ANTIOKSIDAN EKSTRAK ETANOL KULIT BUAH RAMBUTAN (*Nephelium lappaceum L.*) TERHADAP PENANGKAPAN RADIKAL BEBAS DPPH

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ABSTRACT

Rambutan fruits are consumed by people for additional food and medical use. Pericarp of rambutan has been known to have some active compounds such as flavonoid. Many flavonoids from plants are known to have anti radical activity effect or antioxidant. It is very interest to determine of antioxidant activity from ethanol extract of rambutan pericarp (*Nephelium lappaceum L.*). Antioxidant activity was carried out spectrophotometry by using DPPH (*2,2-diphenyl-1-picrylhydrazyl*) as a reagent. The extract and vitamin E (α-*tocoferol*) concentration was made 2, 3, 4, 5, and 6 μg/ml. The increasing concentration of extract and vitamin E has caused the scavenging of free radical DPPH. The amount of free radical scavenging DPPH was calculated based on its absorbance, measured at λ 521 nm. The result showed that anti radical activity of ethanolic extract of rambutan pericarp (EC50 = 1,62 μg/ml) is higher than that of vitamin E (EC50 = 2,91 μg/ml).

Keywords : Rambutan, antioxidant, free radical DPPH